

COPY

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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 111988		APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT <small>(Use several sheets if necessary)</small>				APPLICANTS Takaaki TANAKA, Yasushi YAMAZAKI			
<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block; text-align: center;">OIP MAR 23 2004 PATENT & TRADEMARK OFFICE</div>							
				FILING DATE February 19, 2002			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
		JP 53-54041 (w/concise explanation)	05/17/1978	Japan			
		GB 1 583 176	01/21/1981	Great Britain			
		JP 53-60254	05/30/1978	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

February 5, 2002

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Japanese Unexamined Patent Application, First Publication (Kokai), No. sho 53-54041, published on May 17, 1978.

Concise Explanation of Relevance:

For the purpose of preventing the scope of view in vertical direction and in horizontal direction of a panel on which disposition of liquid crystal molecules are aligned in slant condition from being worsened greatly due to the coloring caused by the retardation, in a manufacturing process for an alignment layer of liquid crystal molecule 3 which is resistant to heat caused by a glass-seal and the direction of the slanting angle of the liquid crystal molecule is uniform within a range of several degrees,

when performing the oblique evaporation of SiO or the like, the first layer 11 is formed by performing the first oblique evaporation by a first angle in which angle evaporated stuff flies toward the substrate 15, the second layer 12 is formed on the first layer 11 by performing the second oblique evaporation by a second angle in which angle evaporated stuff 13 flies toward the substrate 15 which is turned by 90 degrees.



PTO RECEIPT FOR FILING OF P() RS

The following papers have been filed:

Trans. Ltr. & Ck 127888 \$908, Pre. Amend., 79 pp. spec., 19 claims, Abst., 15 sheets dwgs (1-19),
IDS, PTO-1449, 3 refs., cert. copies of JP 2001-074355 3-15-01, JP 2001-090529 3-27-01

Name of Applicant:	Takaaki TANAKA, Yasushi YAMAZAKI
Serial No.:	New U.S. Patent Application
Atty. File No.:	111988
Title (New Cases):	LIQUID CRYSTAL DEVICE, PROJECTION DISPLAY DEVICE AND, MANUFACTURING METHOD FOR SUBSTRATE FOR LIQUID CRYSTAL DEVICE
Sender's Initials:	JAO/cmm
ASSIGNEE:	SEIKO EPSON CORPORATION

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